Notice of Allowability	Application No.	Applicant(s)	
	10/736,766	HABBOOSH, SAMIR W.	
	Examiner	Art Unit	
	Gail Verbitsky	2859	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *06/06/2006*.

2. ☒ The allowed claim(s) is/are *1-81*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

Examiner's Statement of Reasons for Allowance

Claims 1-37 are allowed because the prior art fail to teach that first electrically conductive component formed from at least one first noble metal and an oxide deposited within grain boundaries and main body portion of the at least one first noble metal, the oxide selected from the group consisting of yttrium oxide cerium oxide, zirconium oxide, and combinations of these; second electrically conductive component formed from at least at least one second noble metal, different than the first noble metal, and an oxide deposited within grain boundaries and main body portion of the at least one second noble metal, the oxide selected from the group consisting of yttrium oxide, cerium oxide, zirconium oxide, and combinations of these, in combination with the remaining limitations of claims 1-37.

Claims 38-52: first electrically conductive component formed from an oxide selected from the group consisting of the transitional metal oxides and the rare earth metal oxides, and combinations of these, said oxide dispersion hardened within a grain boundary and within a main body of a first base metal selected from the group consisting of the noble metals and the precious metals, and combination of these and; second electrically conductive component formed from an oxide selected from the group consisting of the transitional metal oxides and the rare earth metal oxides, and combinations of these, said oxide dispersion hardened within a grain bound-

ary and within a main body of a second base metal, different than the first base metal, selected from the group consisting of the noble metals and the precious metals, and combination of these, in combination with the remaining limitations of claims 38-52.

Claims 53-63: a method of forming a first electrically conductive component from at least one first noble metal and an oxide deposited within grain boundaries and main body portion of the at least one first noble metal, the oxide selected from the group consisting of yttrium oxide, cerium oxide, zirconium oxide, and combinations of these; forming a second electrically conductive component from at least at least one second noble metal, different than the first noble metal, and an oxide deposited within grain boundaries and main body portion of the at least one first noble metal, the oxide selected from the group consisting of yttrium oxide, cerium oxide, zirconium oxide, and combinations of these; joining said first and second electrically conductive components to form a junction; and connecting a first and a second conductor to said first and second electrically conductive components respectively for transmitting electrical signals, in combination with the remaining limitations of claims 53-63.

Claims 64-81: a first electrically conductive component formed from an oxide selected from the group consisting of yttrium oxide, cerium oxide, zirconium oxide, and combinations of these, said oxide dispersion hardened within a grain boundary and within a main body of platinum; a second electrically conductive component formed from an oxide selected from the group consisting of yttrium oxide, cerium oxide, zirconium

oxide, and combinations of these, said oxide dispersion hardened within a grain boundary and within a main body of a platinum rhodium alloy, said second electrically conductive component in con tact with said first electrically conductive component to form a junction; a first conductor electrically connected to said first electrically conductive component; a second conductor electrically connected to said second electrically conductive component; and a transducer electrically connected to said first and second conductors, in combination with the remaining limitations of claims 64-81.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art cited in the PTO-892 and not mentioned above disclose related devices and methods.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gail Verbitsky whose telephone number is 571/ 272-2253. The examiner can normally be reached on 7:30 to 4:00 ET.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diego Gutierrez can be reached on 571/ 272-2245. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

GKV

Gail Verbitsky
Primary Patent Examiner, TC 2800

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